

Application No.: Not Yet Assigned

Docket No.: 1152-0310PUS1
DT04 Rec'd PCT/PTO 08 OCT 2004AMENDMENTS TO THE CLAIMS

1. (Cancel)

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5. (Currently amended) A liquid crystal display for image display using a liquid crystal display panel, comprising:

a write-gray scale level determining means section for determining write-gray scale level data for input image data that compensates an optical response characteristic of the liquid crystal display panel, in accordance with, at least, a combination of gray scale level transitions from a previous vertical display period to a current vertical display period;

an achievable gray scale level determining means section for generating achievable gray scale level data for input image data after a lapse of one vertical display period of the liquid crystal display panel, in accordance with, at least, a combination of gray scale level transitions from one vertical display period to the next; and

a temperature detecting means detector for detecting a device interior temperature, wherein the write-gray scale level determining means section determines the write-gray scale level data to be supplied to the liquid crystal display panel, based on achievable gray scale level data of the liquid crystal display panel, corresponding to input image data at the previous vertical display period,

output from the achievable gray scale level determining means section and the input image data at the current vertical display period, and

wherein the achievable gray scale level determining means section, based on the detected device interior temperature, determines the achievable gray scale level data for the input image data after the lapse of one vertical display period of the liquid crystal display panel.

6. (Currently amended) The liquid crystal display according to Claim 5, wherein the write-gray scale level determining means section, based on the detected device interior temperature, determines the write-gray scale level data for compensating the optical response characteristic of the liquid crystal display panel.